

FL Dog Cath Protein Met-Stop
PR-39 cDNA Translation
1137 full length
cramp full length
Goat Cath-P82018 Bactenecin 5

[illegible]

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PR-39 cDNA Translation
1137 full length
cramp full length
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40 50 60
 R A L S Y R E A V L R A V N G F N O R S S E A N L Y R L L Q
 Q A L S Y R E A V L R A V D R L N E Q S S E A N L Y R L L Q
 Q A L S Y R E A V L R A V D G L N E Q S S E A N L Y R L L Q
 - T P S E R D A I R A V D D F N Q Q L T S S E A N L Y R L L Q
 Q A L S Y R E A V L R A V G Q L N E R S S E A N L Y R L L Q
 Q A L S Y R E A V L R A V D N O R S S E A N L Y R L L

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70 80 90
 L N S Q I K G D E D P N I T K P V S F T V K E T V C P R T T
 L D Q P I K A D E D P G T T K P V S F T V K E T V C P R T T
 L D P R P T M D G D P D T D K P V S F T V K E T V C P R T T
 L D L E E L G D E D P D T P S R R G A E
 L D L A E N D V D P G L R K P V S F T V K E T V C P R T T
 L D P P D E D P T P K P V S F T V K E T V C P R T T

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100
 Q Q P P L L Q Q G E K D N G L V K Q C
 R O L L L L L G D I K N G R R Q C
 Q Q S L L Q C D I K K D C L V K R
 R O L L L L L G A I K T O C V L K Q C
 Q O P P L L E G C D I K N G L V K Q C
 Q Q P P P E C D F K E N G L V K Q C
 110 120
 E G L I D E D T G Y
 V G L V S I H
 M G L K Q A R G
 M G A I L K A A D
 V G L V D E S N D Q
 G T V T L N P S

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130 140 150

LDEN DS - - LQV KIDR - - LKE L T TGAQ
LDISCNE - - LGS MR R P - - RPPY P P PRP
LDISC DK - - DKR FAL LG - - DFFR SKE
LDISCNEFG Q PFR FKIS LAG R GGE
LDISCNE - - LGS MR FR PPI RPP R P - PFN
FDISCNEPG Q VR R

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160 170 180

K L G K K I T K L G O R I K D L K N Q - - E E K S *

P P F F P P L P P R I P P G P P R F P - - F P G K R

K L G K E F K T L V O R I K D L R N V T E S

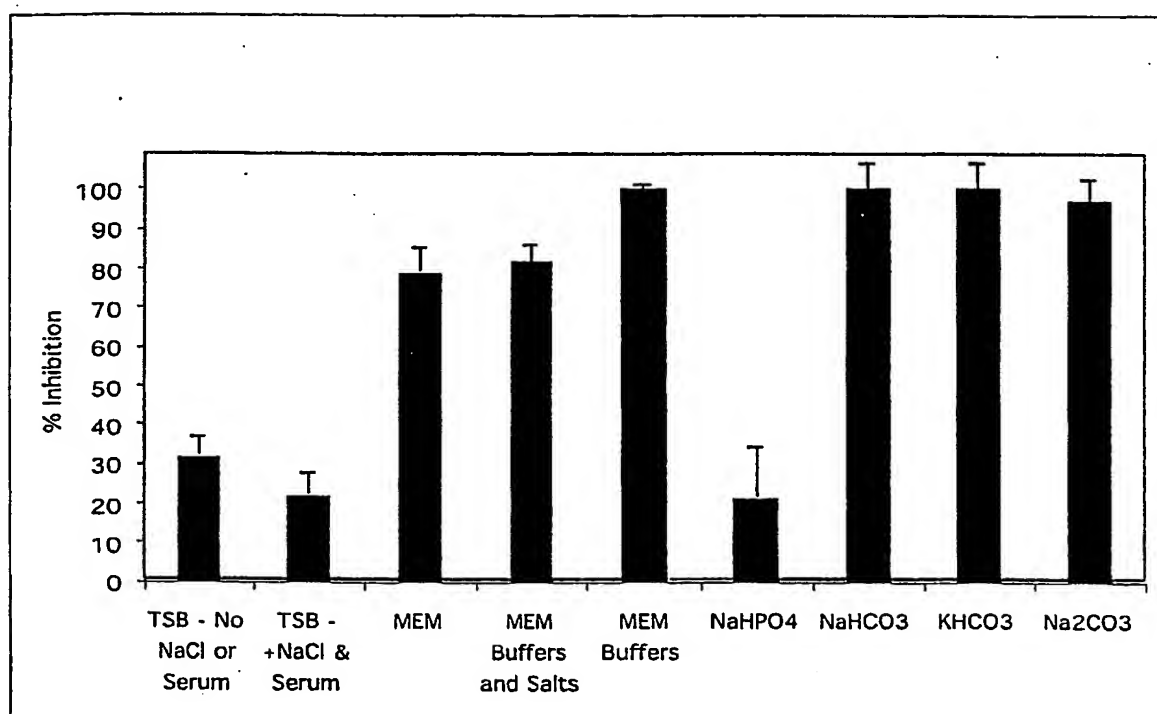
K L G E K L K L G O K I K N F Q K V Q - - P E Q

P P F R P P P P F R P P F R P I G P F P G R R

K I G R I O R I K F L P R R

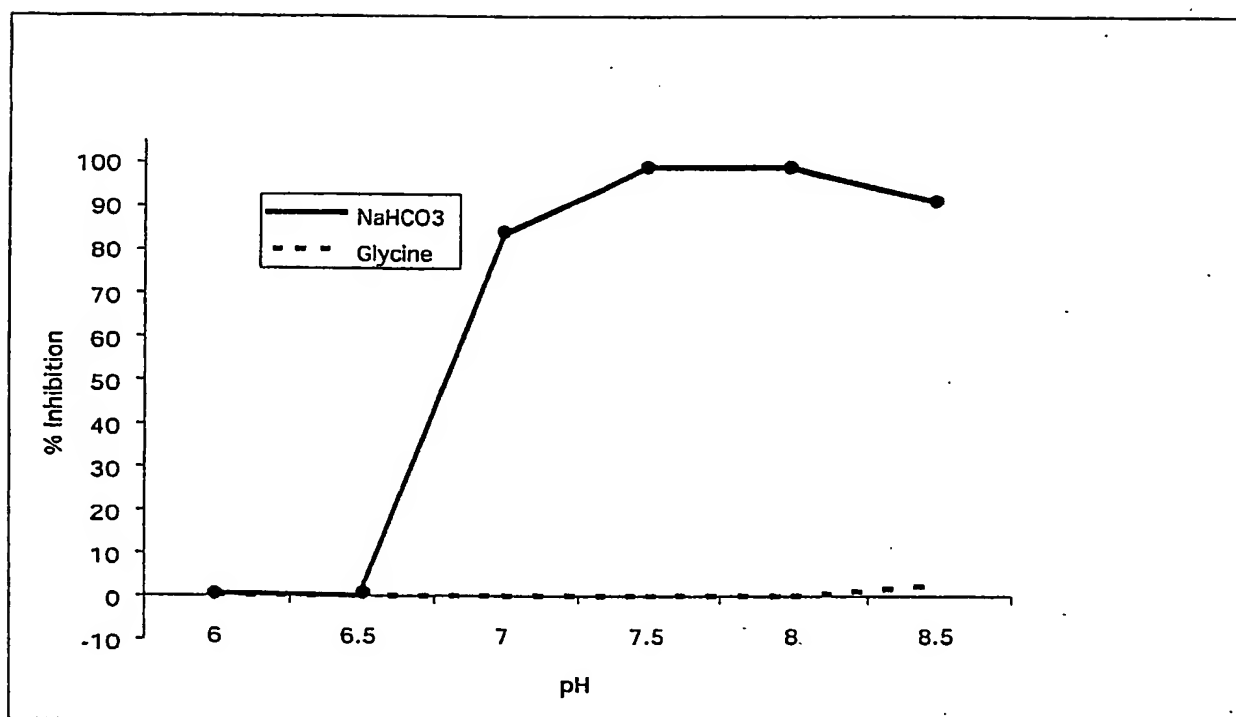
FIG. 1

FIG. 2



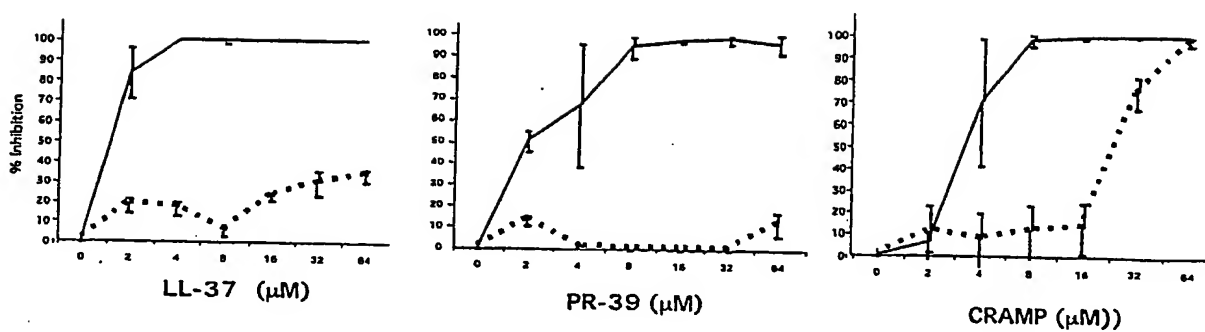
Staph aureus
32 μ M LL-37
20% TSB
10% FCS
pH 7.4

FIG. 3



Staph aureus
32 μ M LL-37
20% TSB
150 mM NaCl
10% FCS

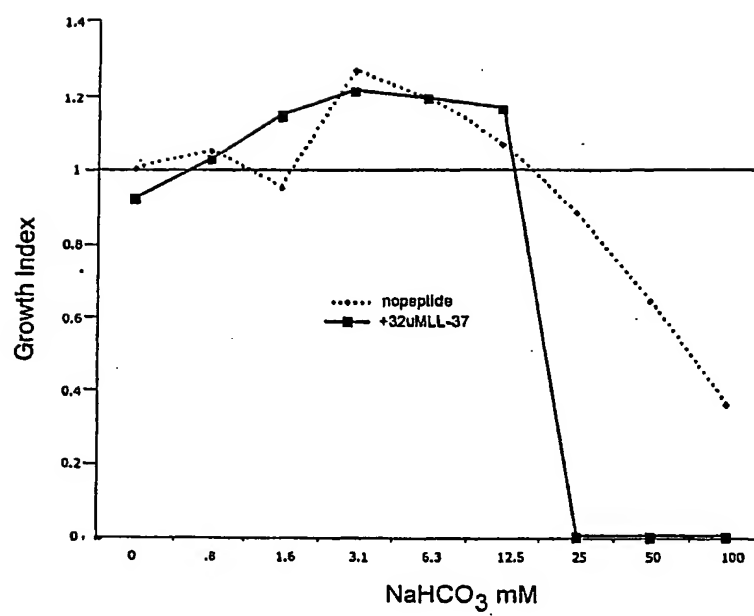
FIG. 4



Staph aureus
20% TSB
NO NaCl
No FCS

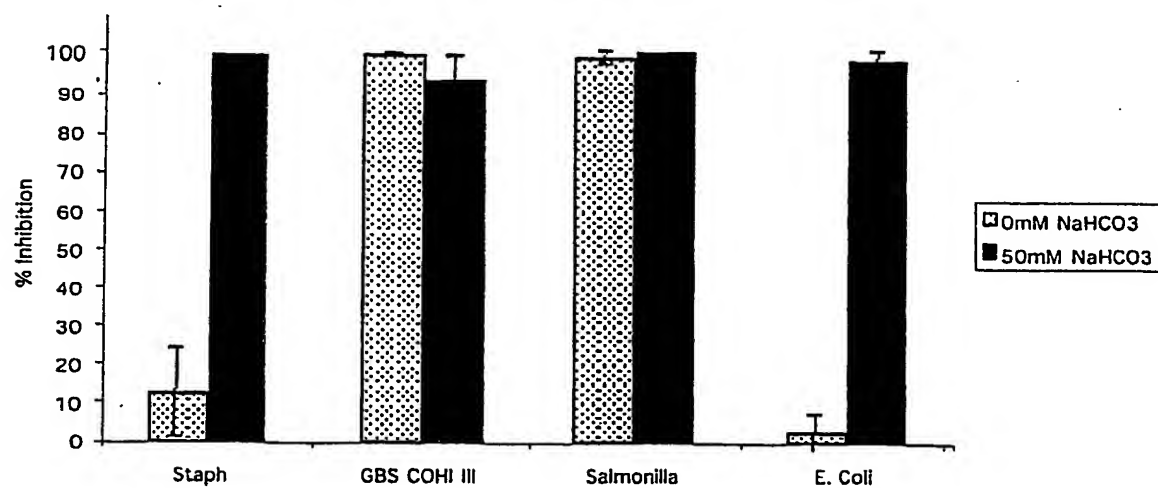
--- 0mM NaHCO_3
— 50mM NaHCO_3

FIG. 5



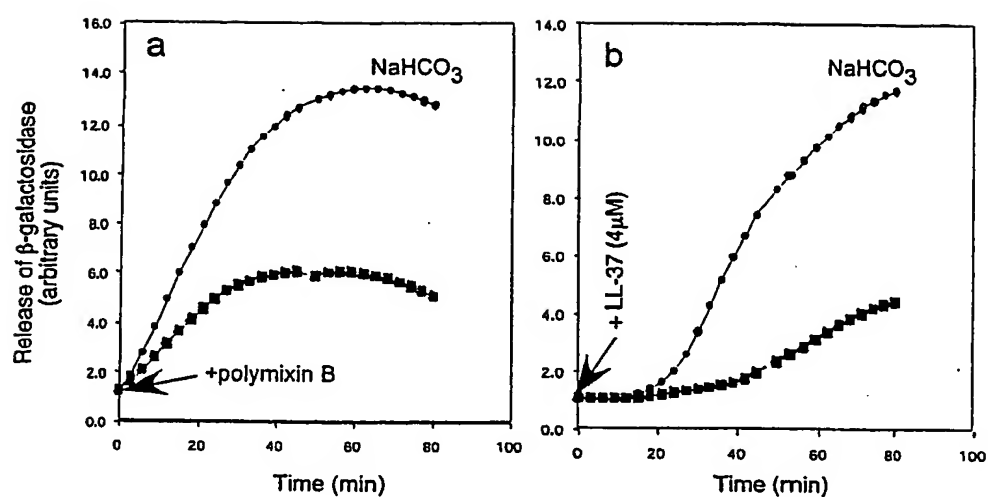
Staph aureus
pH 7.4
20% TSB
150 mM NaCl
10% FCS

FIG. 6

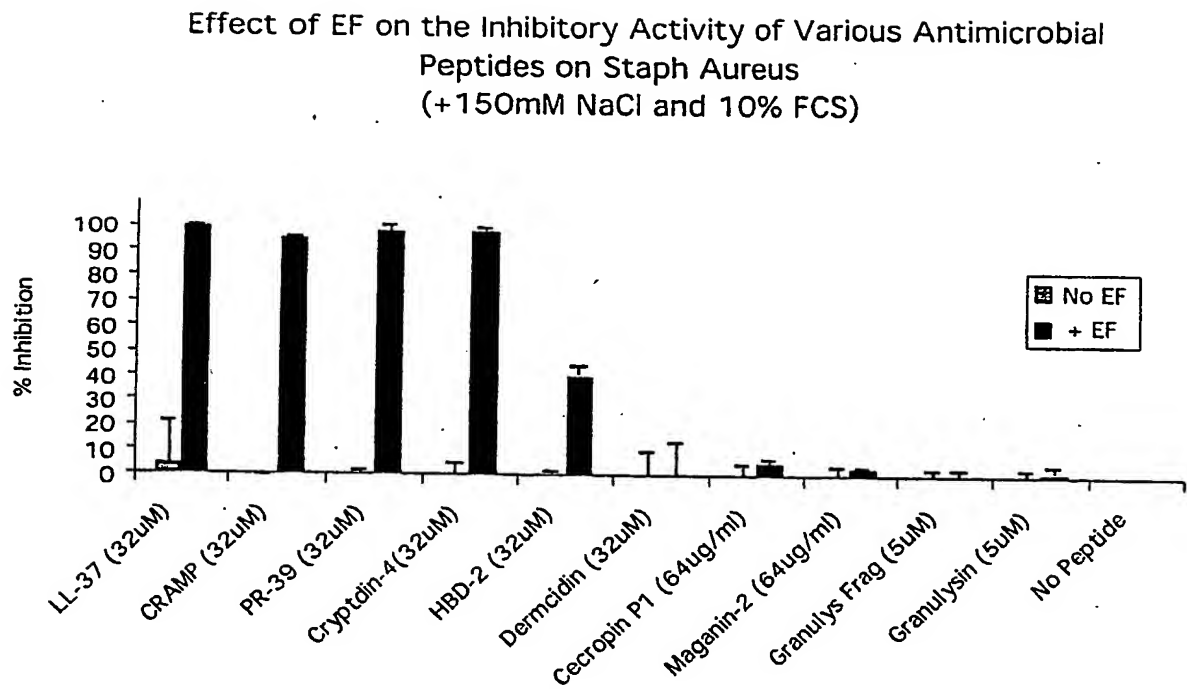


Cramp at 16 μ M
20% TSB
no NaCl or FCS
pH 7.4

FIG. 7



e. coli inner membrane permeability
no NaCL, FCS
pH 7.4
data are OD 420 with antibiotic/no antibiotic

FIG. 8

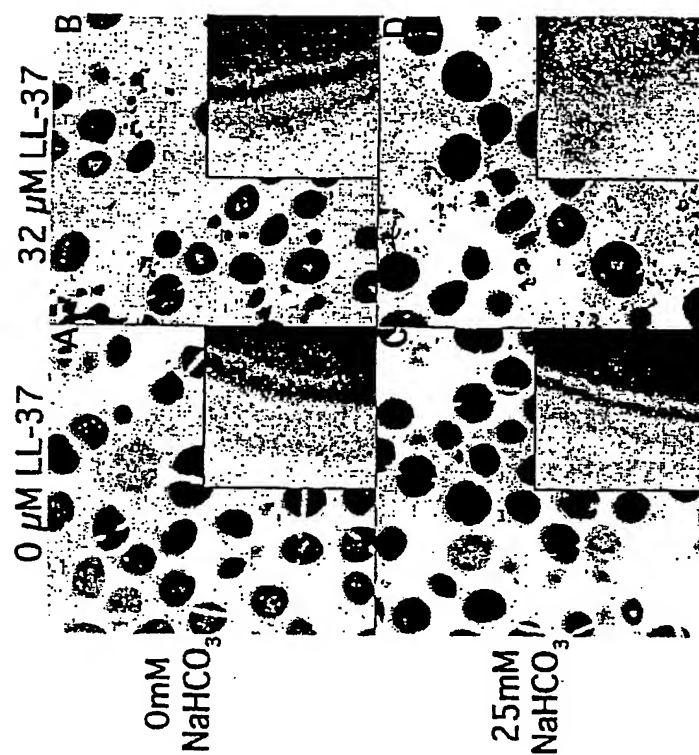


FIG. 9

FIG. 10

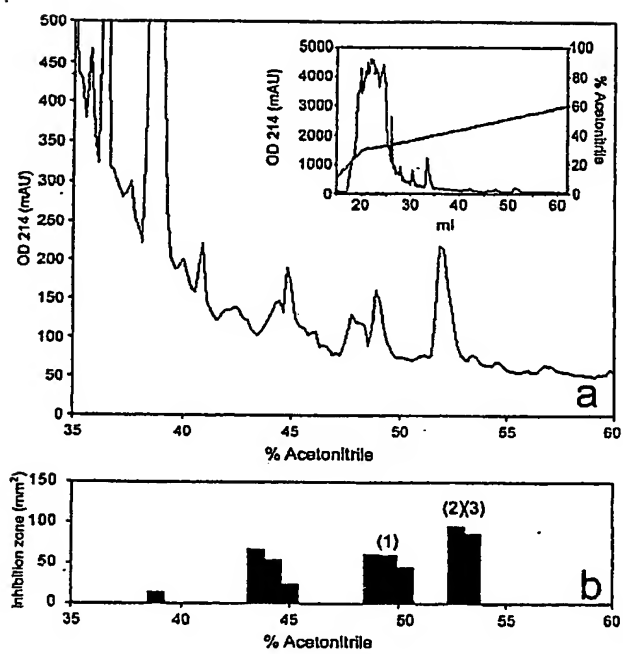


FIG. 11

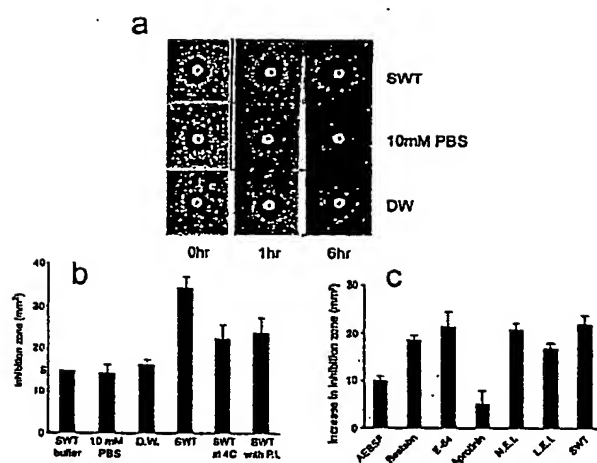


FIG. 12

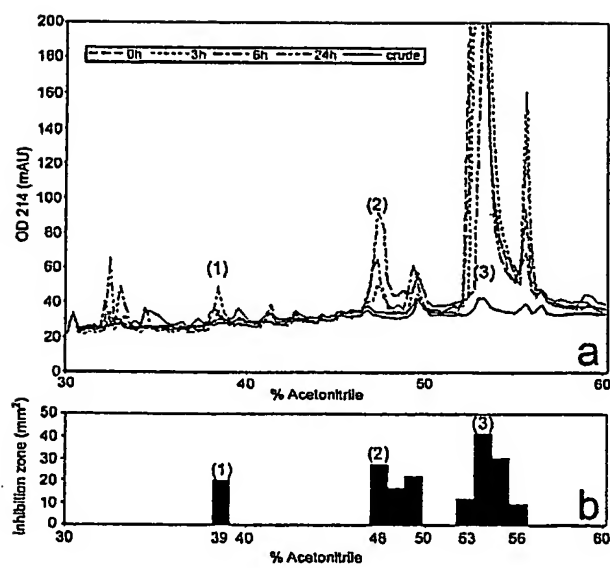


FIG. 13

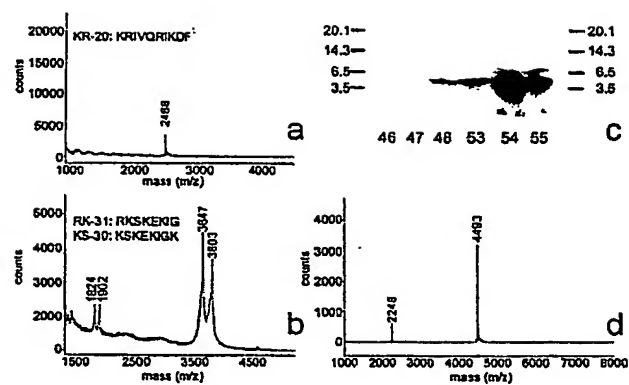


FIG. 14

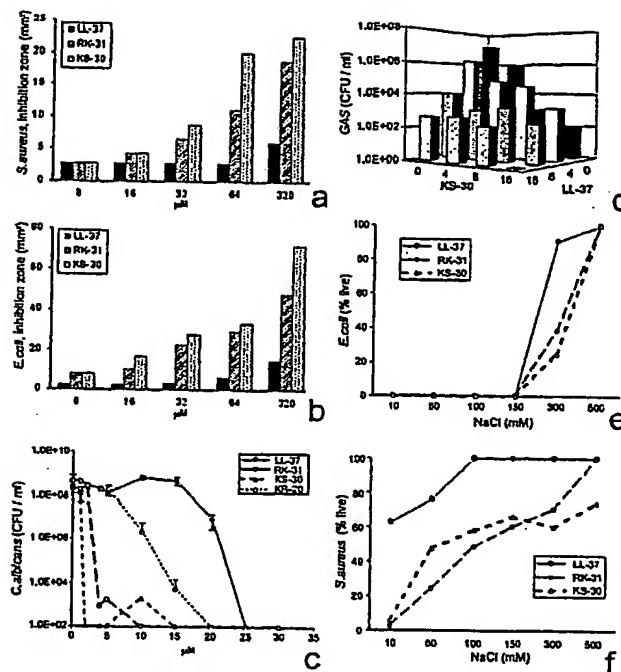
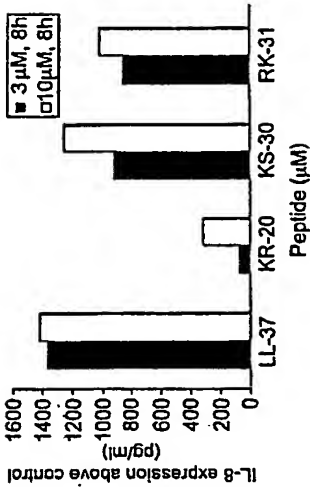


FIG. 15



LL37 blocks LPS-induced chemokine release from Human Dendritic cells

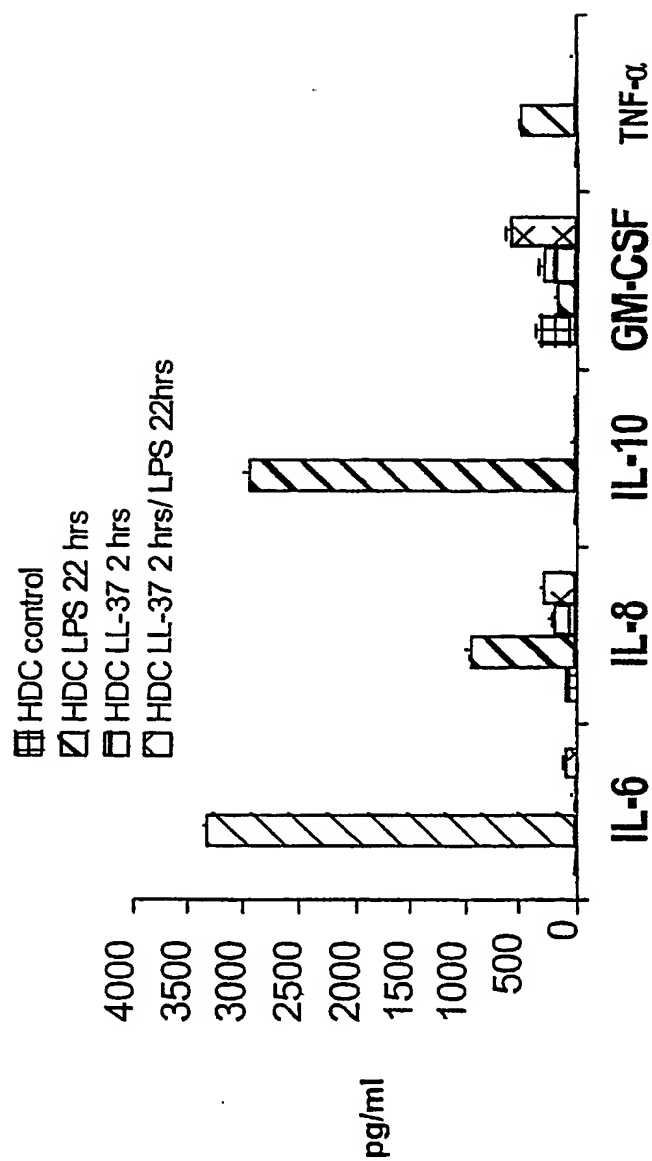


FIG. 16

Mouse LL37 homolog (Cramp) blocks LPS-induced chemokine release from Mouse Dendritic cells

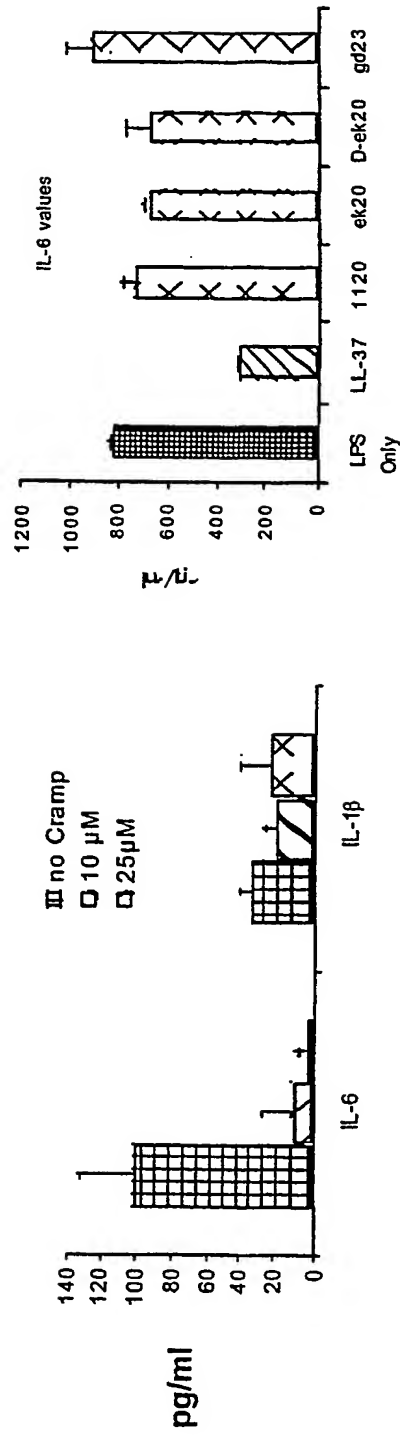


FIG. 17

CRAMP inhibits antigen presentation in vitro

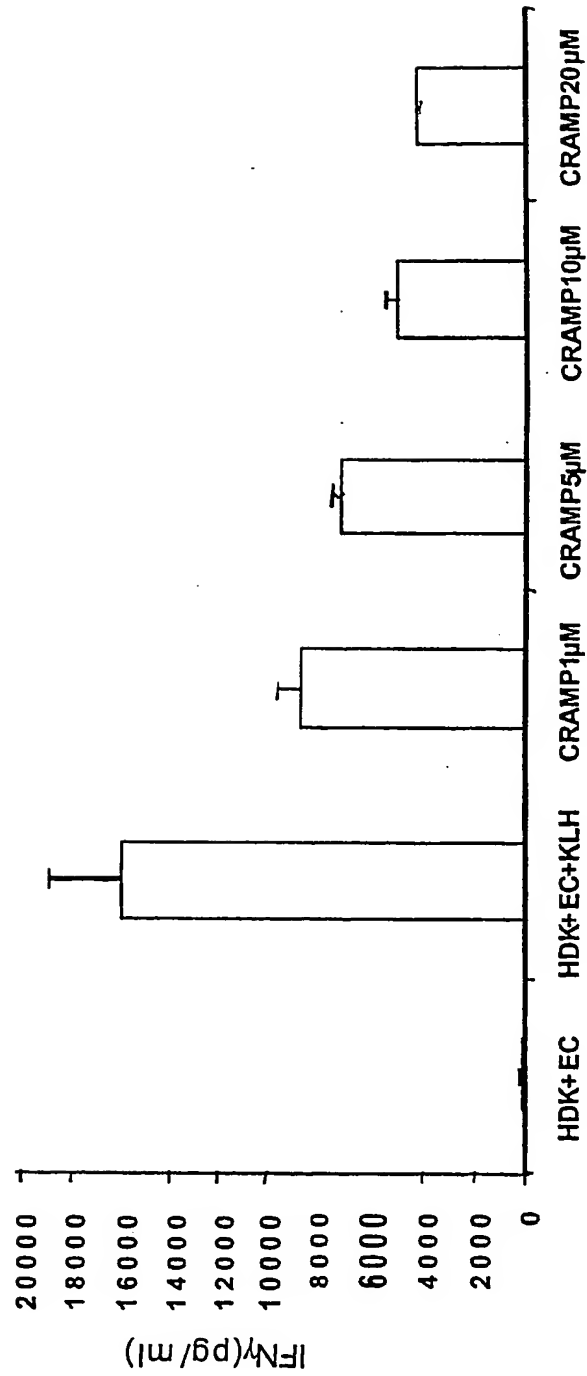


FIG. 18A

Collaboration with R Granstein

CRAMP inhibits antigen presentation in vivo



FIG. 18B

CRAMP inhibits antigen presentation in vivo

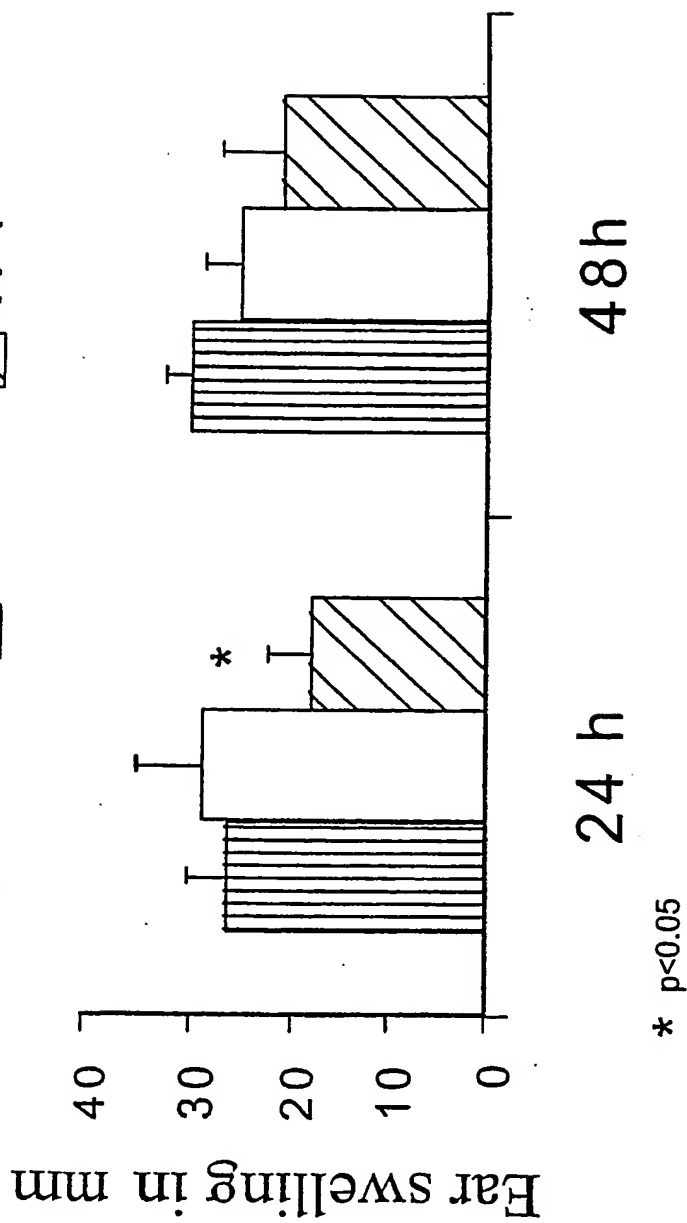


FIG. 18C

Identification of cathelicidin peptides on the normal skin surface

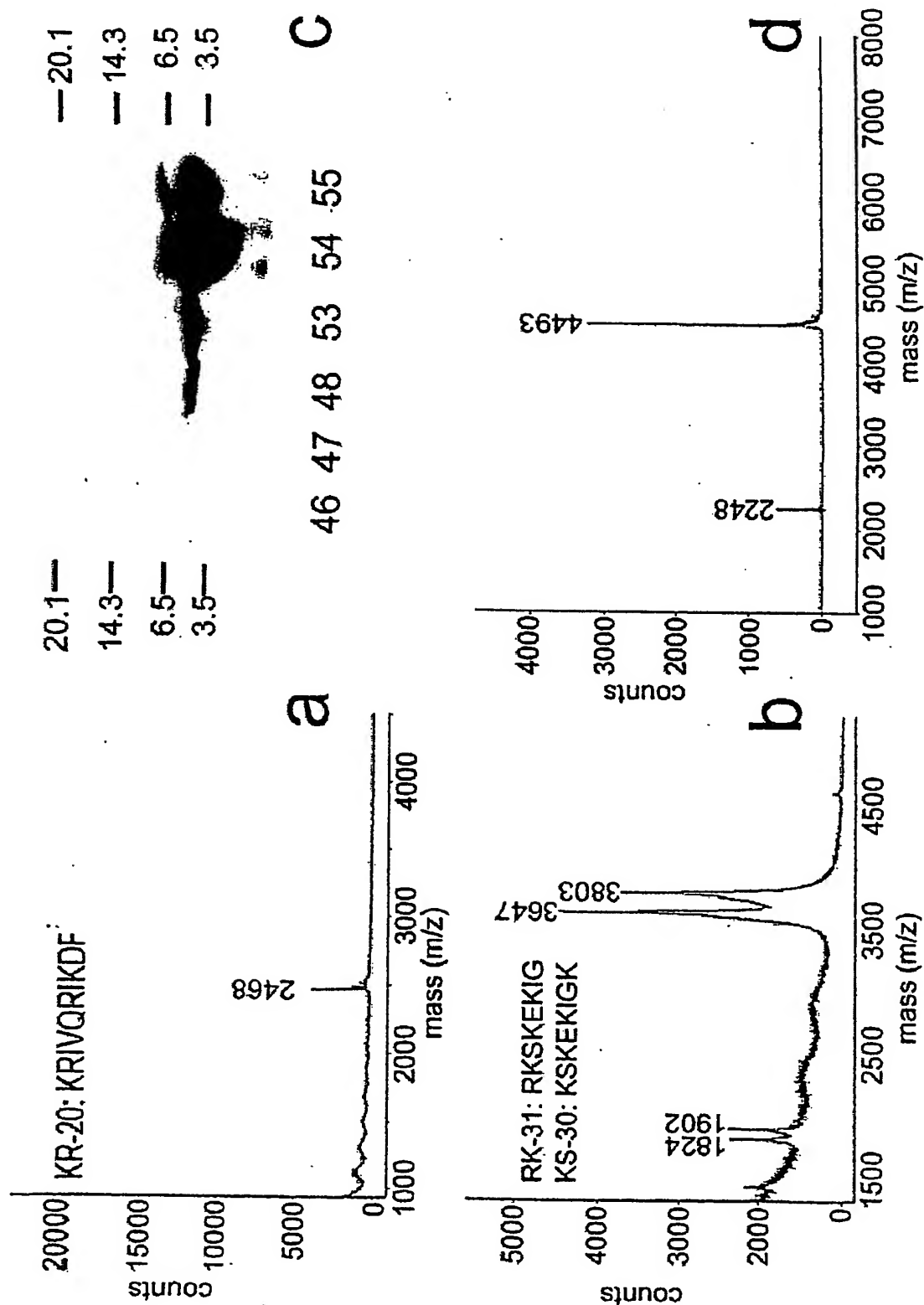


FIG. 19

Processing of cathelicidin peptides on the normal skin surface



FIG. 20

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